PHOTOGRAPHIC INTERPRETATION REPORT

PERM
ICBM COMPLEX
USSR

25X1

JUNE 1967

COPY 116

8 PAGES

25X1

[redacted]

GROUP 1 EXCLUDED FROM
AUTOMATIC DOWNGRADING
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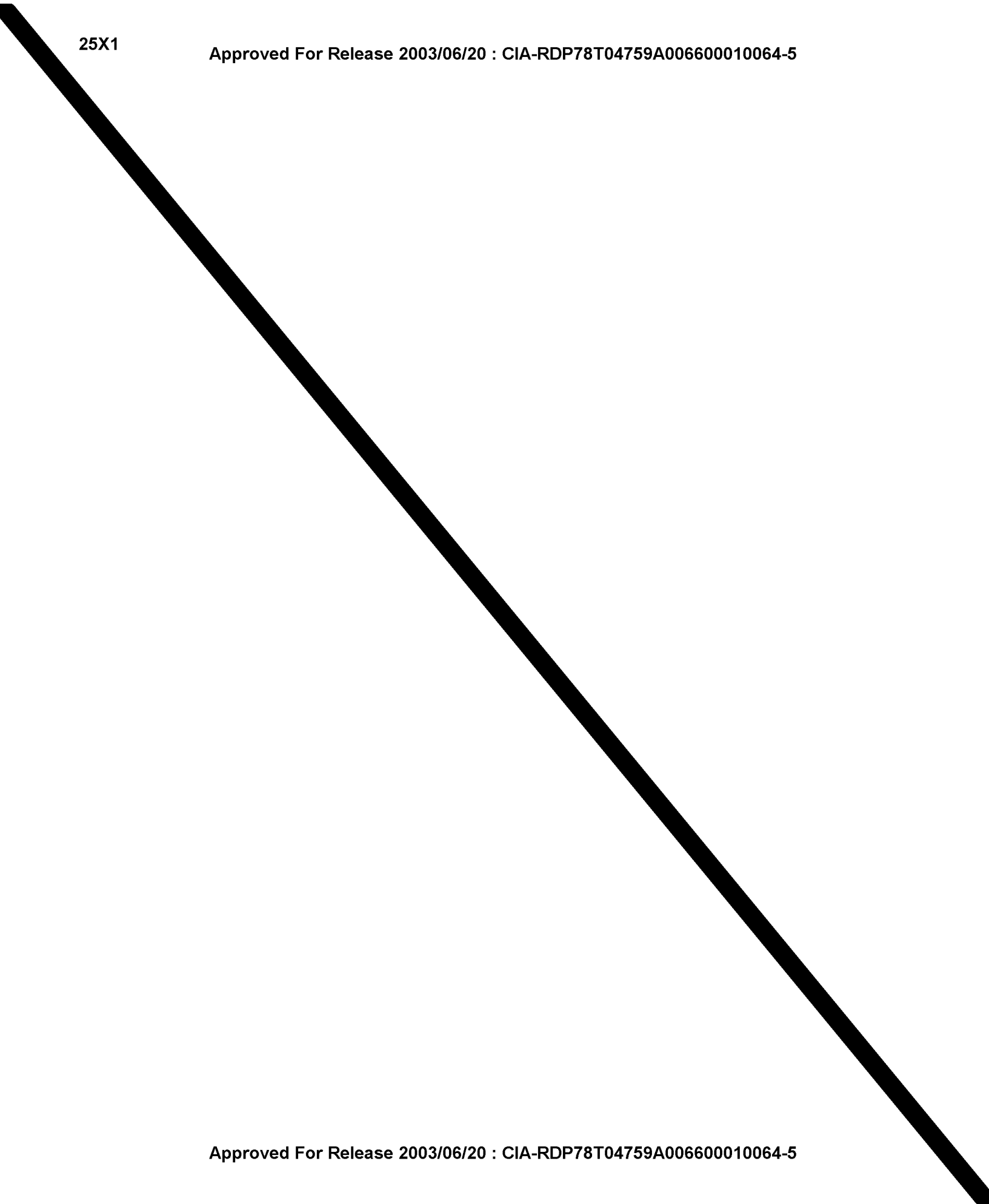

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PREFACE

This report updates and supersedes [redacted] Perm ICBM Complex, 1/ the initial report in a series prepared in response to CIA Requirement C-DI5-82,972 requesting detailed line drawings, to scale, of elements of the complex. The information contained herein is based on [redacted] photography through [redacted] Individual reports will be updated periodically to reflect changes observed on subsequent photography.

PERM ICBM COMPLEX, USSR

The Perm ICBM Complex (Figure 1) is in the eastern foothills of the Ural Mountains at the west edge of Western Siberia. The city of Perm, an important industrial center, is 17 nm north of the complex support facility. The town of Kungur lies 26 nm to the southeast.

The complex contains Type IIB, IID, IIIA, and IIID launch sites deployed around the complex support facility and over an area about 40-nm wide between the Sylva and the Kama rivers. The sites extend about 30 nm north and south along the east side of the complex, but only about 15 nm north and south through the center and along the west side. The Sylva, which borders the complex on the east, flows north to join the Kama above the city of Perm. Below the confluence of the 2 rivers, the Kama curves westward through Perm and then turns south to pass the complex on the west side. The region within the river boundaries is quite hilly. Elevations range from under 300 feet in the city of Perm to over 1,200 feet at points within the complex. Drains are numerous and steep. Heavy forests cover most of the area, with only limited open land as the result of logging operations. Little or no agriculture is carried on. Some crude oil is produced but the center of the oil producing region is northeast of the complex. A few medium-sized towns are clustered south of the city of Perm, near the center of the complex, but the outlying areas show little or no evidence of habitation.

The climate in the vicinity is characterized by cold winters and warm summers. Prevailing low temperatures during the winter months cause most of the precipitation to fall as snow. The ground remains snow-covered from about mid-October through April or mid-May. Average January temperatures are about 0°F. Summers are warm with an average monthly temperature in July about 68°F. Precipitation over this region averages the highest for any area in Western Siberia. Maximum cloudiness for the year occurs during the months of September through January, and reaches its peak in October when the average is nearly 90 percent and only about one-eighth of the days are clear. Cloudiness shows a marked decrease from February through August, with the minimum occuring in July when the average falls to about 60 percent and one-fourth to one-half the days are clear.

Transportation facilities serving the complex appear to be adequate. The complex support facility and rail-to-road transfer point are served by a spur from the double-track rail line that runs east and west across the USSR through Kirov, Perm, and Sverdlovsk. First-class road connections are provided by a highway that parallels the railroad between Perm and Kungur. A local

road network joins the towns in the vicinity of the complex and many of the Type IIID sites are deployed along these roads. Well-engineered roads, to provide access within the complex, appeared along with the construction of the first 6 launch sites. Improved roads to the Type IIID sites were not apparent until the sites neared completion.

This complex was among the first to be deployed in the Soviet Union. The complex support facility was first observed in [redacted] Lack of 25X1
buildings and support facilities indicated that initial construction of the complex must have taken place no later than [redacted] The first launch site, a Type 25X1
IIB, appeared on photography in [redacted] photography 25X1
did not cover the area of the launch site, so no negation date is available. It is estimated that the launch site was started about [redacted] Less than 25X1
25X1 a year later, in [redacted] 2 more Type IIB sites were observed under construction and in the following year, [redacted] 2 Type IID sites and 1 Type 25X1
IIIA site were identified. These 6 sites were all complete by [redacted] 25X1
25X1 Meanwhile, [redacted] the first of the Type IIID sites at Perm was observed and by the end of that year 11 of these sites were under construction. During
25X1 [redacted] 17 more sites were started and, [redacted] an additional 13 sites were ob- 25X1
served to make a total of 41 Type IIID sites deployed in 4 groups, with 1 site at the rail-to-road transfer point. Construction at 2 of the groups is now complete; 2 other groups each have 1 site in a late stage of construction, with the 9 remaining sites complete. The site at the rail-to-road transfer point is in a late stage of construction.

There have been no new sites observed under construction at this complex
25X1 [redacted] and the railhead and storage area is empty of materials associated with silo construction.

Lack of space is no deterrent for site deployment at this complex; however, site access will become more difficult. Existing roads were widely utilized for the Type IIID sites currently deployed. If more sites are to be constructed, they will extend into remote areas where few roads now exist, which would necessitate road location and construction thereby increasing deployment costs.

25X1 It is now [redacted] months since the last site at this complex was estimated to have been started. It is highly probable that the Perm ICBM Complex has fulfilled its quota, with its 4 groups of Type IIID launch sites, and will now become static at least until a new missile system is developed and deployed in the USSR.

Photographic coverage of the Perm Complex has been seriously hampered by the cloudy weather inherent over the region. Many missions programmed for this complex revealed only clouds, resulting in wide gaps of usable photo-

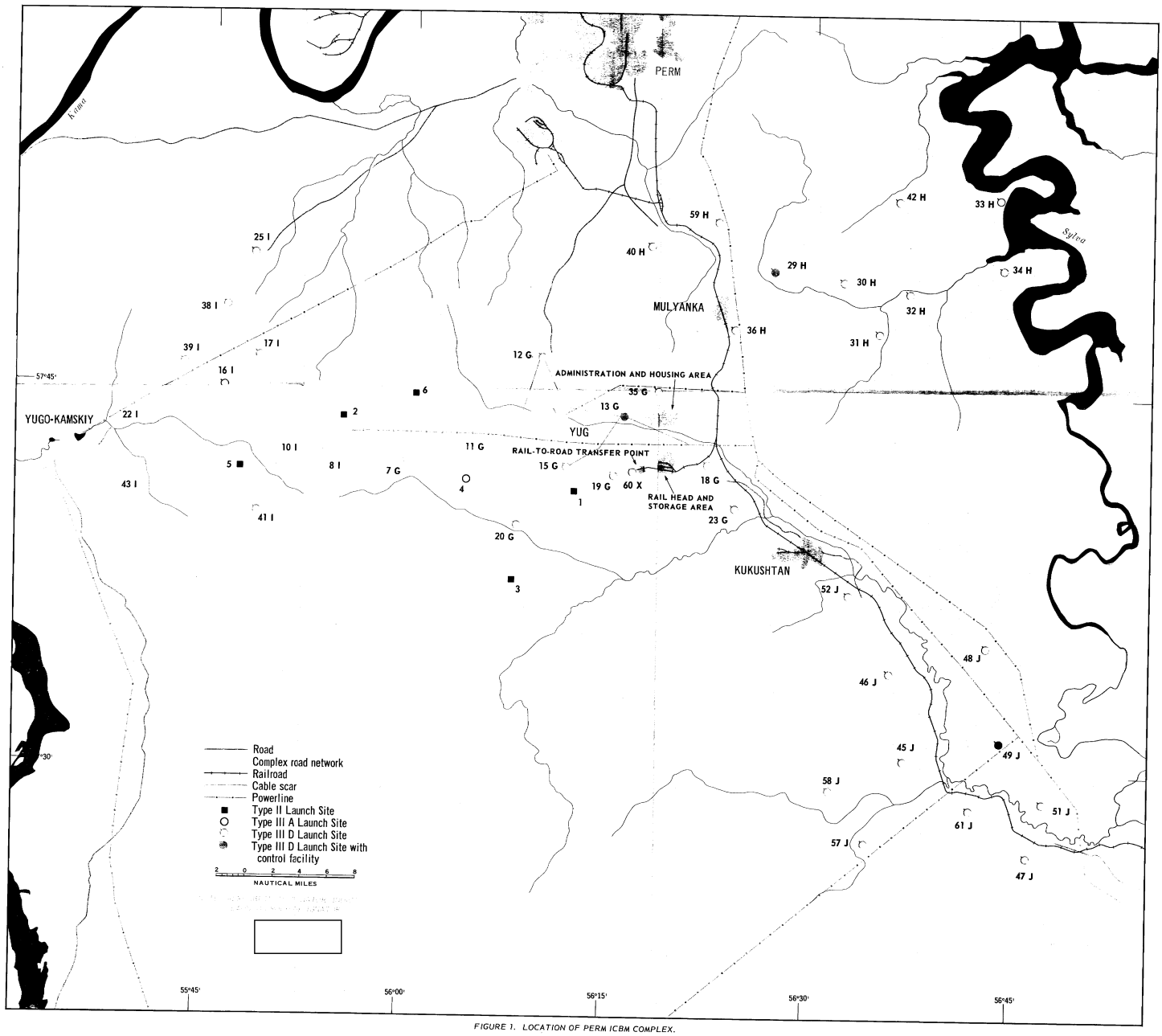

FIGURE 1. LOCATION OF PERM ICBM COMPLEX.

PERM ICBM COMPLEX, USSR

Component	Type		Geographic Coordinates
Complex Support Facility	--		57-42N 056-19E
Launch Site 1	IIB		57-41N 056-12E
Launch Site 2	IIB		57-43N 055-55E
Launch Site 3	IIB		57-37N 056-07E
Launch Site 4	IIIA		57-41N 056-04E
Launch Site 5	IID		57-41N 055-47E
Launch Site 6	IID		57-44N 056-00E
Launch Group G			
Launch Site 7G	IIID		57-42N 056-00E
Launch Site 11G	IIID		57-43N 056-06E
Launch Site 12G	IIID		57-46N 056-10E
Launch Site 13G*	IIID		57-44N 056-16E
Launch Site 15G	IIID		57-41N 056-11E
Launch Site 18G	IIID		57-42N 056-21E
Launch Site 19G	IIID		57-41N 056-15E
Launch Site 20G	IIID		57-39N 056-08E
Launch Site 23G	IIID		57-40N 056-23E
Launch Site 35G	IIID		57-45N 056-19E
Launch Group II			
Launch Site 29II*	IIID		57-50N 056-28E
Launch Site 30H	IIID		57-49N 056-33E
Launch Site 31H	IIID		57-46N 056-34E
Launch Site 32II	IIID		57-48N 056-38E
Launch Site 33II	IIID		57-52N 056-43E
Launch Site 34II	IIID		57-49N 056-44E
Launch Site 36II.	IIID		57-48N 056-23E
Launch Site 40II	IIID		57-49N 056-17E
Launch Site 42H	IIID		57-52N 056-35E
Launch Site 59H	IIID		57-51N 056-22E
Launch Group I			
Launch Site 8I	IIID		57-42N 055-54E
Launch Site 10I*	IIID		57-42N 055-50E
Launch Site 16I	IIID		57-45N 055-46E
Launch Site 17I	IIID		57-46N 055-49E
Launch Site 22I	IIID		57-43N 055-38E
Launch Site 25I	IIID		57-50N 055-48E
Launch Site 38I	IIID		57-47N 055-45E
Launch Site 39I	IIID		57-45N 055-42E
Launch Site 41I	IIID		57-40N 055-50E
Launch Site 43I	IIID		57-40N 055-38E
Launch Group J			
Launch Site 45J	IIID		57-30N 056-37E
Launch Site 46J	IIID		57-34N 056-36E
Launch Site 47J	IIID		57-26N 056-46E
Launch Site 48J	IIID		57-34N 056-42E
Launch Site 49J*	IIID		57-31N 056-44E
Launch Site 51J	IIID		57-29N 056-47E
Launch Site 52J	IIID		57-36N 056-33E
Launch Site 57J	IIID		57-27N 056-35E
Launch Site 58J	IIID		57-29N 056-33E
Launch Site 61J	IIID		57-28N 056-42E
Launch Site 60X	IIID		57-41N 056-16E

*Control site

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graphy. For this reason, the history of this complex, as regards to site construction timing, is less realistic than complexes having more complete photographic coverage.

REFERENCES

25X1 [redacted]

DOCUMENT

25X1 1. NPIC. [redacted] *Perm ICBM Complex, USSR Jan 67* (TOP SECRET [redacted]) 25X1

REQUIREMENT

CIA. C-DI5-82,972

NPIC PROJECT

11210/66 (partial answer)